Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

Claim 1 (Previously presented): A method of concurrently copying a plurality of items, the method being implemented in a computer, the method comprising:

a parent process checking if a first item in said plurality is a file or a directory;

said parent process conditionally copying the first item if the first item is found during the checking to be a file and alternatively creating a child process;

after creation, the child process performs the checking, the conditionally copying and the alternatively creating, with another item in the directory represented by the first item; and

wherein the parent process performs the checking, the conditionally copying and alternatively creating, with a second item in said plurality.

Claims 2-3 (Canceled).

Claim 4 (Previously presented): The method of claim 1 further comprising, prior to the creating:

comparing a current number of processes, created for copying, with a limit; and

waiting if the current number is greater than or equal to the limit.

Claim 5 (Previously presented): The method of Claim 1 further comprising, prior to the creating:

the parent process increasing a limit on a resource; and

the child process using the resource at the increased limit during copying.

Claim 6 (Original): The method of claim 5 wherein:

the resource is number of open files.

Claim 7 (Original): The method of claim 5 wherein:

the resource is file size.

Claim 8 (Original): The method of claim 5 wherein:

the resource is memory.

Claim 9 (Original): The method of claim 8 wherein:

the memory is organized as a stack.

Claim 10 (Original): The method of claim 8 wherein:

the memory is organized as a heap.

Claim 11 (Currently Amended): ~~A method of concurrently copying a plurality of items, the~~ ~~method being implemented in a computer, the method comprising:~~

~~a parent process checking if a first item in said plurality is a file or a directory;~~

~~said parent process conditionally copying the first item if the first item is found~~ ~~during the checking to be a file and alternatively creating a child process;~~

~~after creation, the child process performs the checking, the conditionally copying~~ ~~and the alternatively creating, with another item in the directory represented by the first~~ ~~item;~~

~~wherein the parent process performs the checking, the conditionally copying and~~ ~~alternatively creating, with a second item in said plurality; and~~

The method of claim 1 wherein the copying comprises:

transferring data from the file into a temporary buffer;

locking the temporary buffer; and

invoking a direct memory access (DMA) process for making a copy

from the temporary buffer.

Claim 12 (Previously presented): The method of claim 11 further comprising prior to the copying:

the parent process checking if the first item is a link to itself, and performing said copying only if the first item is not a link to itself.

Claim 13 (Original): The method of claim 12 wherein:

the checking includes a string comparison operation.

Claim 14 (Previously presented): The method of claim 11 further comprising, during the copying:

the parent process sending an email message if a resource at a destination is full;

wherein the email message is sent to an email address of a user that started the method.

Claim 15 (Original): The method of claim 14 further comprising, during the copying:

waiting to be restarted subsequent to sending the email message.

Claim 16 (Original): The method of claim 15 wherein said waiting comprises:

sending a signal to self to suspend execution.

Claim 17 (Previously presented): The method of claim 15 further comprising, during the copying:

recopying said file from beginning, on being restarted.

Claim 18 (Previously presented): The method of claim 14 wherein:

the email address is identified from a password file based on an identity of said user.

Claim 19 (Previously presented): The method of claim 1 wherein:

said alternatively creating is performed only if said directory is not a current directory and not a parent directory.

Claims 20-28 (Canceled).

Claim 29 (Currently amended): A computer for concurrently copying items in storage media, the computer comprising:

a processor ~~programmed to check~~ <u>comprising means for checking</u> if an item to be copied is a file or a directory; and

said processor <u>further</u> comprising means for conditionally copying the item if the item is a file and alternatively creating a child process;

wherein said child process comprises a copy of said means for checking and said means for conditionally copying and alternatively creating;

wherein each item is input to said ~~means for spawning and said means for conditionally copying~~ <u>processor</u>.

Claim 30 (Previously presented): The computer of claim 29 further comprising:

means for sending an email message if the means for conditionally copying encounters an error.

Claim 31 (Previously presented): The computer of claim 29 further comprising:

means for increasing a limit on a resource to maximum.

Claim 32 (Currently amended): ~~A computer for concurrently copying items in storage media, the computer comprising:~~

~~a processor programmed to check if an item to be copied is a file or a directory; and~~

~~said processor comprising means for conditionally copying the item if the item is a file and alternatively creating a child process;~~

~~wherein said child process comprises said means for conditionally copying and said alternatively creating;~~

~~wherein each item is input to said processor; and~~

<u>The apparatus of Claim 29</u>

wherein said means for conditionally copying comprises:

means for transferring data from the file into a temporary buffer;

means for locking the temporary buffer; and

means for using direct memory access (DMA) to make a copy from the temporary buffer.

Claim 33 (Previously presented): The computer of claim 29 further comprising:

means for checking if the item is a link to itself.

Claim 34 (Previously presented): The method of Claim 1 wherein:

the parent process is started with an instruction to perform said method for each item in the directory.

Claim 35 (Canceled).

Claim 36 (Previously presented): The method of Claim 1 wherein:

the number of processes created corresponds to the number of directories to be copied.

Claim 37 (Canceled).

Claim 38 (Previously presented): The method of Claim 1 further comprising:

checking if the file is in a list of items to be excluded from copying; and

performing said copying only if the file is not in said list.

Claim 39 (Previously presented): The method of Claim 1 wherein:

the file is copied to multiple destinations if specified by the user.

Claims 40-42 (Canceled).

Claim 43 (Previously presented): A computer readable storage medium encoded with software, the software comprising instructions to archive an item in a computer by:

using a current process to check if said item is a file or a directory;

using the current process to conditionally copying the item if the item is found during the checking to be a file and alternatively creating a new process; and

using the new process to perform the checking, the conditional copying and the alternatively creating, with another item in the directory represented by said item;

wherein the new process if created executes simultaneously or contemporaneously with the current process.

Claim 44 (canceled).

Claim 45 (Previously presented): The medium of Claim 43 wherein:

the current process calls a function to recursively spawn a plurality of new processes including said new process; and

on return from the function, the current process waits for all new processes to finish.

Claim 46 (Currently amended): ~~A method of concurrently copying a list of items implemented in a computer, the method comprising:~~

~~a parent process in said computer checking if a first item in said list is a file or a directory;~~

~~said parent process conditionally copying the first item if the first item is found during the checking to be a file and alternatively creating a~~ The method of Claim 1 wherein:

said child process in said computer <u>is created</u> after <u>said parent process</u> ~~changing changes~~ a default limit on a resource to a maximum limit;

after <u>said</u> creation, the child process inherits the maximum limit ~~and performs~~ <u>prior to performing</u> the checking, the conditionally copying and the alternatively creating~~, with another item in the directory represented by the first item~~;

~~wherein after said creation, the parent process performs the checking, the conditionally copying and alternatively creating, with a second item in said list;~~

wherein at least one of the parent process and the child process:

allocates memory to hold at least a temporary buffer and a stack, stores in said stack an absolute path and a local path to said directory, checks if an entry in said

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directory is a symbolic link, checks if the symbolic link is circular, and ignores the link if circular;

checks if a destination is full and sends an email message if a result thereof is true and waits to be restarted subsequent to said sending; and

transfers data to said temporary buffer, locks said temporary buffer and invokes a direct memory access process for making a copy from said temporary buffer to said destination.

Claim 47 (Previously presented): The method of Claim 46 further comprising:

using operating system stack space in said computer by making recursive calls when memory allocated for said stack is used up.

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